

IN THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the present application:

1. (Currently amended) An image processing apparatus, comprising:

a condition setting unit to arbitrarily set a post-quantization condition;
a partial decoding and decompression unit to partially decode and decompress coded data in accordance with the post-quantization condition set by the condition setting unit, to reproduce ~~ana first~~ that is substantially identical to ana second image, the second image which that will be reproduced by decoding and decompressing the coded data after the coded data that have has been subjected to a post-quantization processing in accordance with the post-quantization condition, wherein the post-quantization condition is related to at least one of position and component of an image; and

an image data displaying unit to display the first image reproduced by the partial decoding and decompression unit.

2. (Previously Presented) The image processing apparatus as claimed in claim 1, wherein the partial decoding and decompression unit comprises:

a decoder to conform to a compression coding algorithm applied to the coded data; and

a controller to control a decoding and decompression operation of the decoder in accordance with the post-quantization condition set by a user using the condition setting unit.

3. (Previously Presented) The image processing apparatus as claimed in claim 1, wherein the partial decoding and decompression unit comprises:

a decoder to conform to a compression coding algorithm applied to the coded data; and

a rewriting unit to rewrite header information of the coded data in accordance with the post-quantization condition set by a user using the condition setting unit.

4. (Previously Presented) The image processing apparatus as claimed in claim 1, wherein the partial decoding and decompression unit comprises:

a decoder to conform to a compression coding algorithm applied to the coded data; and

a writing unit to write header information of the coded data in accordance with the post-quantization condition set by a user using the condition setting unit.

5. (Previously Presented) The image processing apparatus as claimed in claim 1, further comprising:

a post-quantization unit to perform post-quantization processing of the coded data according to an instruction by the user and in accordance with the post-quantization condition set by a user using the condition setting unit.

6. (Previously Presented) The image processing apparatus as claimed in claim 1, further comprising:

a condition saving unit to save a plurality of post-quantization conditions set by a user using the condition setting unit,

wherein one of the post-quantization conditions saved in the condition saving unit can be set as a post-quantization condition by the condition setting unit.

7. (Previously Presented) The image processing apparatus as claimed in claim 1, further comprising:

a condition saving unit to save a plurality of post-quantization conditions set by a user using the condition setting unit;

a condition selector by which the user selects one of the post-quantization conditions saved in the condition saving unit; and

a post-quantization unit to perform post-quantization processing of coded data in accordance with the post-quantization condition selected by the user using the condition selector.

8. (Original) The image processing apparatus as claimed in claim 6, further comprising:

an averaging unit to average the post-quantization conditions saved in the condition saving unit and the post-quantization condition set by the user using the condition setting unit,

wherein an averaged post-quantization condition obtained by the averaging unit is saved in the condition saving unit.

9. (Original) The image processing apparatus as claimed in claim 7, further comprising:

an averaging unit to average the post-quantization conditions saved in the condition saving unit and the post-quantization condition set by the user using the condition setting unit,

wherein an averaged post-quantization condition obtained by the averaging unit is saved in the condition saving unit.

10. (Previously Presented) The image processing apparatus as claimed in claim 1,

wherein a compression rate at the time of the post-quantization processing performed

in accordance with the post-quantization condition set by a user using the condition setting unit is displayed on the display unit.

11. (Previously Presented) The image processing apparatus as claimed in claim 1, further comprising:

an image modifying unit to enlarge, reduce, or scroll an image displayed on a display unit in accordance with an instruction of the user.

12. (Original) The image processing apparatus as claimed in claim 11, wherein a magnification of the image is displayed on the display unit.

13. (Original) The image processing apparatus as claimed in claim 1, further comprising:

an imaging unit to photograph one of a still image and a moving image; and
an encoder to generate coded data allowing post-quantization processing by performing compression coding on image data of the image photographed by the imaging unit.

14. (Previously Presented) The image processing apparatus as claimed in claim 1, further comprising:

a communication unit to receive coded data from an external apparatus and transmit to the external apparatus the post-quantization condition set by a user using the condition setting unit.

15. (Currently amended) The image processing apparatus as claimed in claim 1, wherein the post-quantization condition is further related to at least one of resolution, ~~position, component,~~ image quality, and compression rate of an image.

16. (Original) The image processing apparatus as claimed in claim 1, wherein the coded data are JPEG 2000 coded data.

17. (Currently amended) An image processing method, comprising:

arbitrarily setting a post-quantization condition;

partially decoding and decompressing coded data in accordance with the post-quantization condition set, to reproduce ~~an a~~ first image substantially identical to ~~an a~~ second image, the second image which that will be reproduced by decoding and decompressing the coded data after the coded data has ~~that have~~ been subjected to a post-quantization processing in accordance with the post-quantization condition, wherein the post-quantization condition is related to at least one of position and component of an image; and

displaying the first image reproduced by partially decoding and decompressing coded data.

18. (Original) The image processing method as claimed in claim 17, wherein partially decoding and decompressing the coded data comprises controlling a decoding and decompression operation of a decoder that conforms to a compression coding algorithm applied to the coded data in accordance with the post-quantization condition set in setting the post-quantization condition.

19. (Original) The image processing method as claimed in claim 17, wherein partially decoding and decompressing the coded data comprises causing a decoder that conforms to a compression coding algorithm applied to the coded data to decode and decompress the coded data whose header information is rewritten in accordance with the post-quantization condition set in setting the post-quantization condition.

20. (Original) The image processing method as claimed in claim 17, wherein partially decoding and decompressing the coded data comprises causing a decoder that conforms to a compression coding algorithm applied to the coded data to decode and decompress the coded data whose header information is written in accordance with the post-quantization condition set in setting the post-quantization condition.

21. (Previously Presented) The image processing method as claimed in claim 17, further comprising:

performing post-quantization processing of coded data according to an instruction by a user and in accordance with the post-quantization condition set in setting the post-quantization condition.

22. (Previously Presented) The image processing method as claimed in claim 17, further comprising:

saving one or more post-quantization conditions set in setting the post-quantization condition;

selecting, by a user, one of the post-quantization conditions saved in saving the post-quantization conditions; and

performing post-quantization processing of the coded data in accordance with the post-quantization condition selected in selecting the post-quantization condition.

23. (Previously Presented) The image processing method as claimed in claim 17, further comprising:

receiving the coded data from an apparatus; and

transmitting to the apparatus the post-quantization condition set in setting the post-quantization condition.

24. (Currently amended) A computer-readable storage medium storing thereon instructions which, when executed by a computer, cause the computer to carry out an imaging process by:

causing the computer to prompt a user to arbitrarily set a post-quantization condition;

causing the computer to partially decode and decompress coded data in accordance with the post-quantization condition set by the user, to cause the computer to reproduce ~~an a first~~ image substantially identical to ~~an a second~~ image which will be reproduced by decoding and decompressing the coded data ~~that have~~ after the coded data has been subjected to a post-quantization processing in accordance with the post-quantization condition, wherein the post-quantization condition is related to at least one of position and component of an image; and

causing the computer to display the first image reproduced in response to the instruction of causing the computer to partially decode and decompress the coded data.

25. (Previously Presented) The computer-readable storage medium as claimed in claim 24, wherein causing the computer to partially decode and decompress the coded data

comprises controlling a decoding and decompression operation of a decoder that conforms to a compression coding algorithm applied to the coded data in accordance with the post-quantization condition set by the user.

26. (Previously Presented) The computer-readable storage medium as claimed in claim 24, wherein causing the computer to partially decode and decompress the coded data comprises causing a decoder that conforms to a compression coding algorithm applied to the coded data to decode and decompress the coded data whose header information is rewritten in accordance with the post-quantization condition set by the user.

27. (Previously Presented) The computer-readable storage medium as claimed in claim 24, wherein causing the computer to partially decode and decompress the coded data comprises causing a decoder that conforms to a compression coding algorithm applied to the coded data to decode and decompress the coded data whose header information is written in accordance with the post-quantization condition set by the user.

28. (Previously Presented) The computer-readable storage medium as claimed in claim 24, wherein the image process further comprises:

causing the computer to perform post-quantization processing of coded data according to an instruction by the user and in accordance with the post-quantization condition set by the user.

29. (Previously Presented) The computer-readable storage medium as claimed in claim 24, wherein the image process further comprises:

causing the computer to save one or more post-quantization conditions set by the user;

causing the computer to prompt the user to select one of the post-quantization conditions saved in the instruction of causing the computer to save the post-quantization conditions; and

causing the computer to perform post-quantization processing of the coded data in accordance with the post-quantization condition selected by the user.

30. (Previously Presented) The computer-readable storage medium as claimed in claim 24, wherein the image process further comprises:

causing the computer to receive the coded data from an apparatus; and

causing the computer to transmit to the apparatus the post-quantization condition set by the user.